

the port side each showing an unbroken light over an arc of the horizon of 112.5 degrees and so fixed as to show the light from right ahead to 22.5 degrees abaft the beam on its respective side. On a vessel of less than 20 meters in length the side lights may be combined in one lantern carried on the fore and aft centerline of the vessel, except that on a vessel of less than 12 meters in length the sidelights when combined in one lantern shall be placed as nearly as practicable to the fore and aft centerline of the vessel.

(c) *Sternlight* means a white light placed as nearly as practicable at the stern showing an unbroken light over an arc of the horizon of 135 degrees and so fixed as to show the light 67.5 degrees from right aft on each side of the vessel.

(d) *Towing light* means a yellow light having the same characteristics as the "sternlight" defined in paragraph (c) of this Rule.

(e) *All-round light* means a light showing an unbroken light over an arc of the horizon of 360 degrees.

(f) *Flashing light* means a light flashing at regular intervals at a frequency of 120 flashes or more per minute.

(g) *Special flashing light* means a yellow light flashing at regular intervals at a frequency of 50 to 70 flashes per minute, placed as far forward and as nearly as practicable on the fore and aft centerline of the tow and showing an unbroken light over an arc of the horizon of not less than 180 degrees nor more than 225 degrees and so fixed as to show the light from right ahead to abeam and no more than 22.5 degrees abaft the beam on either side of the vessel.

§ 83.22 Visibility of lights (Rule 22).

The lights prescribed in these Rules shall have an intensity as specified in Annex I to these Rules, so as to be visible at the following minimum ranges:

(a) *Vessel of 50 meters or more in length.* In a vessel of 50 meters or more in length:

- (1) A masthead light, 6 miles;
- (2) A sidelight, 3 miles;
- (3) A sternlight, 3 miles;
- (4) A towing light, 3 miles;
- (5) A white, red, green or yellow all-round light, 3 miles; and

(6) A special flashing light, 2 miles.

(b) Vessels of 12 meters or more in length but less than 50 meters in length. In a vessel of 12 meters or more in length but less than 50 meters in length:

(1) A masthead light, 5 miles; except that where the length of the vessel is less than 20 meters, 3 miles;

(2) A sidelight, 2 miles;

(3) A sternlight, 2 miles;

(4) A towing light, 2 miles;

(5) A white, red, green or yellow all-round light, 2 miles; and

(6) A special flashing light, 2 miles.

(c) *Vessels of less than 12 meters in length.* In a vessel of less than 12 meters in length:

(1) A masthead light, 2 miles;

(2) A sidelight, 1 mile;

(3) A sternlight, 2 miles;

(4) A towing light, 2 miles;

(5) A white, red, green or yellow all-round light, 2 miles; and

(6) A special flashing light, 2 miles.

(d) *An inconspicuous, partly submerged vessel or objects being towed.* In an inconspicuous, partly submerged vessel or objects being towed:

(1) A white all-round light, 3 miles.

§ 83.23 Power-driven vessels underway (Rule 23).

(a) *Lights exhibited by power-driven vessels underway.* A power-driven vessel underway shall exhibit:

(1) A masthead light forward;

(2) A second masthead light abaft of and higher than the forward one; except that a vessel of less than 50 meters in length shall not be obliged to exhibit such light but may do so;

(3) Sidelights; and

(4) A sternlight.

(b) *Air-cushion vessels.* An air-cushion vessel when operating in the non-displacement mode shall, in addition to the lights prescribed in paragraph (a) of this Rule, exhibit an all-round flashing yellow light where it can best be seen.

(c) *Alternative lights for power-driven vessels of less than 12 meters in length.* A power-driven vessel of less than 12 meters in length may, in lieu of the lights prescribed in paragraph (a) of this Rule, exhibit an all-round white light and sidelights.

(d) *Power-driven vessels when operating on Great Lakes.* A power-driven vessel when operating on the Great Lakes may carry an all-round white light in lieu of the second masthead light and sternlight prescribed in paragraph (a) of this Rule. The light shall be carried in the position of the second masthead light and be visible at the same minimum range.

§ 83.24 Towing and pushing (Rule 24).

(a) *A power-driven vessel when towing astern.* A power-driven vessel when towing astern shall exhibit:

(1) Instead of the light prescribed either in Rule 23(a)(1) or 23(a)(2), two masthead lights in a vertical line. When the length of the tow, measuring from the stern of the towing vessel to the after end of the tow exceeds 200 meters, three such lights in a vertical line;

(2) Sidelights;

(3) A sternlight;

(4) A towing light in a vertical line above the sternlight; and

(5) When the length of the tow exceeds 200 meters, a diamond shape where it can best be seen.

(b) *Pushing vessel and pushed vessel rigidly connected in composite unit.* When a pushing vessel and a vessel being pushed ahead are rigidly connected in a composite unit they shall be regarded as a power-driven vessel and exhibit the lights prescribed in Rule 23.

(c) *A power-driven vessel when pushing ahead or towing alongside.* A power-driven vessel when pushing ahead or towing alongside, except as required by paragraphs (b) and (1) of this Rule, shall exhibit:

(1) Instead of the light prescribed either in Rule 23(a)(1) or 23(a)(2), two masthead lights in a vertical line;

(2) Sidelights; and

(3) Two towing lights in a vertical line.

(d) *Compliance with other requirements.* A power-driven vessel to which paragraphs (a) or (c) of this Rule apply shall also comply with Rule 23(a)(1) and 23(a)(2).

(e) *Vessels being towed.* A vessel or object other than those referred to in paragraph (g) of this Rule being towed shall exhibit:

(1) Sidelights;

(2) A sternlight; and

(3) When the length of the tow exceeds 200 meters, a diamond shape where it can best be seen.

(f) *Vessels being towed alongside or pushed in a group.* Provided that any number of vessels being towed alongside or pushed in a group shall be lighted as one vessel, except as provided in paragraph (3)—

(1) A vessel being pushed ahead, not being part of a composite unit, shall exhibit at the forward end, sidelights and a special flashing light;

(2) A vessel being towed alongside shall exhibit a sternlight and at the forward end, sidelights and a special flashing light; and

(3) When vessels are towed alongside on both sides of the towing vessels a sternlight shall be exhibited on the stern of the outboard vessel on each side of the towing vessel, and a single set of sidelights as far forward and as far outboard as is practicable, and a single special flashing light.

(g) *An inconspicuous, partly submerged vessel or object being towed.* An inconspicuous, partly submerged vessel or object being towed shall exhibit:

(1) If it is less than 25 meters in breadth, one all-round white light at or near each end;

(2) If it is 25 meters or more in breadth, four all-round white lights to mark its length and breadth;

(3) If it exceeds 100 meters in length, additional all-round white lights between the lights prescribed in subparagraphs (1) and (2) so that the distance between the lights shall not exceed 100 meters: Provided, that any vessels or objects being towed alongside each other shall be lighted as one vessel or object;

(4) A diamond shape at or near the aftermost extremity of the last vessel or object being towed; and

(5) The towing vessel may direct a searchlight in the direction of the tow to indicate its presence to an approaching vessel.

(h) *Alternative lighting of vessel or object being towed.* Where from any sufficient cause it is impracticable for a vessel or object being towed to exhibit the lights prescribed in paragraph (e) or (g) of this Rule, all possible measures shall be taken to light the vessel